

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 July 2005 (14.07.2005)

PCT

(10) International Publication Number
WO 2005/063200 A3

(51) International Patent Classification⁷: **A61K 35/74**,
9/20, A23L 1/302, 1/304

(21) International Application Number:
PCT/EP2004/014545

(22) International Filing Date:
21 December 2004 (21.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0330009.2 24 December 2003 (24.12.2003) GB

(71) Applicant (for all designated States except US): **FER-
ROSAN A/S** [DK/DK]; Sydmarken 5, DK-2860 Søborg
(DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HENRIKSEN,
Kristian, Lund** [DK/DK]; Zolas Alle 5, DK-2860 Søborg
(DK). **MORTENSEN, Helene, Mathilda** [DK/DK];
Kastanie Alle 24, 2.th., DK-2720 Vanløse (DK). **WIN-
NING, Marianne** [DK/DK]; Rypevænget, 108, DK-2980
Kokkedal (DK).

(74) Agent: **SMART, Peter, J.**; Beck Greener, Fulwood House,
12 Fulwood Place, London WC1V 6HR (GB).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:
24 November 2005

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: PROBIOTIC TABLET FORMULATIONS

(57) Abstract: A probiotic tablet comprising a probiotic micro-organism and other nutritionally active ingredients in two zones, a first zone comprising said probiotic micro-organism and precicrably selenium, and a second zone comprising at least one said other active ingredient such as iron, other minerals and vitamin B6 kept separated from the probiotic micro-organism of said first zone, the water activity in said probiotic micro-organism containing first zone being no greater than 0.2 and the water content of said tablet being as much as 3% by weight. Good viability of the micro-organisms is obtained despite the relatively high overall moisture content.



WO 2005/063200 A3